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(71) Applicant (for all designated States except US): MASSACHUSETTS INSTITUTE OF TECHNOLOGY [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02173 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LEACH, John, K. [US/US]; 328 Commercial Street #22, Boston, MA 02109 (US). TANNENBAUM, Steven, R. [US/US]; 15 Bent Hill Drive, Framingham, MA 01701 (US).

(74) Agents: EISENSTEIN, Ronald, I. et al.; Nixon Peabody LLP, 100 Summer Street, Boston, MA 02110-2131 (US).

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(54) Title: METHODS FOR PERFUSION AND PLATING OF PRIMARY HEPATOCYTES AND A MEDIUM THEREFORE

(57) Abstract: The present invention provides methods for culturing primary hepatocytes with improved long term function and improved viability, by plating the hepatocytes in the presence of an anti-oxidants) as well as an agent(s) which is a functional inhibitor of enzymes that generate reactive oxygen and reactive nitrogen species. One preferred embodiment provides a combination of 2-oxothiazolidine and tocopherol succinate. Another preferred embodiment provides a combination of N^G-methylarginine and mannitol.

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